

**Boston Edison**  
**2003 ASQR Capital Spending**  
**(Dollars in Thousands)**

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Service Area	TOWN	DESC	Category	1993
<b>Distribution:</b>				
Various		Distribution Capacitor	D	(1)
Various		Rebuild Hospital Area	D	-
Various		Various Stations - Replace PCB's	D	(13)
Various		Replace PCB Capacitors	D	-
Various		Various Station Miscellaneous Stations Additions	D	-
Somerville/Waltham	Somerville	Act of Public Authority - Washington St - Somerville	D	8
Various		Station 450 Recloser Switches	D	-
Various		Underground and Overhead Development	D	-
Various		Street - Distribution Equipment	D	-
Various		Street Lighting	D	-
Various		Station 12 - Chatham Street	D	1
Various		New Station #12 - Street	D	1
Various		Station 274 Expansion	D	(35)
Various		Renewal to Electric System	D	-
Various		Various Station Miscellaneous Stations Additions	D	9
Mass Ave	Brighton	Reconductor Circuit 3623 - Brighton	D	4
Various		Back Up Battery System	D	-
Mass Ave		Disconnect Street Service	D	-
		Auburn St - Raytheon	D	-
Various		Substation - Distribution	D	(6)
Various		Street Distribution Equipment	D	-
Various		Minor Capital Additions Distribution	D	-
Various		Renewal to Electric System	D	-
Various		Act of Public Authority - Minor Rearrange	D	-
Various		Various Station Miscellaneous Stations Additions	D	(1)
Walpole/Framing		Extend Circuit 416-H2	D	(3)
Various		Station 509 Cambridge Lines	D	1
Mass Ave		Station Vault Equipment	D	(1)
Various		Street Equipment Exc Hous	D	-
Various		Various Cities Minor Additions	D	-
Various		Andrew Square Station	D	287
Various		Andrew Square Station	D	8,039
Various		Act of Public Authority - Various Towns	D	-
Various		Various Station Miscellaneous Stations Ad	D	4
Various		Retire Primary Network Unit #1	D	1
Mass Ave		Rebuild - Extend 13-0	D	(4)
Various		Station 502 - Norfolk Station	D	4
Various		Install Cable Monitoring and Rating System Various Locations	D	1
Various		Act of Public Authority Cummings Hyg Wr	D	-
Somerville/Waltham	Waltham	Act of Public Authority - Lexington St Overhead - Waltham	D	-
Mass Ave	Boston	Act of Public Authority - Mason St - Boston	D	129
Various		Install Cable Monitoring and Rating System Street	D	53
Mass Ave		Substation Distribution	D	41
Various		Street Distribution Customer	D	-
Various		Minor Capital Additions Transmission & Distribution	D	-
Various		Cana Perm Rd Rel Cha	D	(26)
Mass Ave	Brighton	Extend 329-H1 Brighton	D	-
Various		Renewal to Electric System	D	-
Various		Act of Public Authority - Various Towns	D	-
Various		Various Station Additions	D	20
Mass Ave		Rebuild 13-01	D	-
Mass Ave	Dorchester	Relieve Station 67 - Dorchester	D	-
Various		Replace Oil Switches	D	43
	Hopkinton	PT1 Hopkinton Growth	D	-
Mass Ave		New Supply VA Hospital	D	-
	Waltham	Act of Public Authority - Lexington St & Other - Waltham	D	-
Various		Station 211 - Replace T110	D	58
Various		20-H4 Replace Ambr	D	(4)
Various		Reconductor Circuit 284-01	D	-
	Waltham	Waltham Street Work	D	-
Various		Underground and Overhead Development	D	-
Various		Substation Distribution	D	1
Various		Street Distribution Customer	D	-
Various		Minor Capital Additions Transmission & Distribution	D	-
Various		Interconnect NEA RO	D	-
		Relieve Circuit 31501	D	-
Mass Ave		Replace Split Fiber Main - Various	D	3
		Prentiss St - Circuit	D	20
		Relieve 433-H4	D	2
		Nagog Woods Action	D	-
Various		Renew Electric Transmission & Distribution System	D	1
Various		Renew Electric Transmission & Distribution System	D	-
Various		Indirect Labor Supr 1989	D	9
Various		Various Stations - Minor Repairs	D	-
Various		Act of Public Authority - Street Work	D	-
Various		Minor Substation Work	D	18
		Install Dig Transient	D	(3)
Various		Bos Ed Energy Controls	D	1,525
Various		Station 320 Reactors	D	-
Various		Station 470 Switchgear	D	8
Various		Expand Radio - Sectional	D	(4)
		N. Wash St - Duct Bank	D	31
		Retirement of Primary Network Unit 4	D	1

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Service Area	TOWN	DESC	Category	1993
Mass Ave		New Distribution Circuit Hyde Park/Dedham	D	2
Various		Station Vault Equipment	D	(41)
Various		Cities Towns Street	D	-
Various		Non- Customer Street	D	-
Various		Outdoor Municipal Light	D	-
Various		Expand Remote Monitoring System Part 2	D	553
Mass Ave		Fenway Distribution Conversion	D	11
Various		Establish Multiple Customer C11 Smith St	D	19
	Somerville	Phase 1 Conversion - Somerville	D	51
Mass Ave	Boston	East Boston Conversion	D	245
Various	Bedford	Fiber - Optic - Bedford	D	139
Various		MWRA Power Supply	D	-
Various		MWRA Power Supply	D	-
		Reconductor Circuit	D	(1)
	Medford	Medford Center Backup	D	11
		Circuit 146-H9 RT 1A	D	-
		Rebuild Overhead	D	13
Waltham		Speen Street Circuit 433-H1	D	7
	Ashland	Relieve Circuit 274-H1 - Ashland	D	18
		Indirect Engineering EESO 1990	D	12
Various		Transmission & Distribution Renewals Metro	D	(2)
Various		Metro Transmission & Distribution Paving	D	4
Various		Substation Transmission & Distribution Renovations	D	-
Various		Metro Transmission & Distribution Paving	D	3
Various		Act of Public Authority - Various Towns	D	-
Various		Miscellaneous Station Additions	D	57
Various		Transformer Performance Analysis	D	-
		Retrofit Sprinkler	D	111
Various		Improve Reliability	D	58
		Overhead Reconductor Line 419-9	D	-
		Extend Line 13-109 Street Work	D	38
		Street Work Station 496	D	12
		West Medway 2nd Parcel	D	3
		Station 292 Auto Bus Restoral Scheme	D	27
Mass Ave		Install Micro For Pru	D	313
		Substation Alarm	D	1
Mass Ave		Replace Split Fiber Main	D	66
		Reconductor Circuit 52-0	D	86
		Establish TOE To CI	D	32
		Establish New Secondary Network Vault 89 Street Work	D	2
		Establish Secondary Network Vault 89 Street Work	D	1
		Establish Secondary Network Vault 587 North	D	2
		Establish Secondary Network Vault 587 North	D	-
Various		Underground and Overhead Development	D	-
Various		Substation - Customer	D	175
Various		Street Customer	D	-
Various		Various Transmission & Distribution Minor Capital Additions	D	-
Various		Various Outdoor Street Lighting	D	-
Various		Establish New Multi Customer-14 BHA	D	91
		SCADA AUndergroundmentation	D	218
		Upgrade New England Ex Pk	D	5
	Dedham	New Dedham Circuit	D	60
	Acton	Relieve Acton Circuit	D	38
Various	Hyde Park	Act of Public Authority - Hyde Park ave - Hyde Park	D	1
Various		EE & SO Indirect Engineering	D	2
Various		Transmission & Distribution Renewals - Metro	D	2
Various		Substation Transmission & Distribution System Renovations	D	-
Various		Metro Transmission & Distribution Asbestos Removal	D	1
Various		Metro Transmission & Distribution Indirect Labor	D	(3)
Various		Various Projects	D	1
		Purchase and Sale	D	-
Various		Act of Public Authority	D	-
Various		Miscellaneous Station Additions	D	99
		Radio Control Sectional	D	299
		Establish New Chestnut Hill Supply	D	94
		Establish Circuit 277-1367H1S	D	8
Various		Replace Transformer Station 65	D	31
		DD Report Transition	D	4
		Transformer Top Oil Monitoring	D	27
Various		Rebuild Circuit 211-503/	D	112
		Retire Quincy Facility	D	-
		Radio Control sectionalizing	D	1
		Station 211 Autotransformer Modification	D	-
		Relocate Circuit 292-03,08,H8	D	360
		Increase Capacity Ashland/Hopkinton	D	-
		Install Fault Indicator	D	1
	Needham	Retire Station 330 Needham Station Work	D	151
	Needham	Retire Equipment Station 330 Needham	D	5
		Telecom Upgrade	D	35
	Hopkinton	Purchase Property - Hopkinton	D	17
Various		Pump Plant Replace -Station 7	D	28
Various		Replace Obsolete Terminals	D	40
Various		Retire Line 398-537 Station 39	D	3
	Roxbury	Reconductor Circuit 21N31 - Roxbury	D	130
		Various Station - Off Line work	D	3

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Service Area	TOWN	DESC	Category	1993
		Station 375 13.8kv Switchgear	D	6
Various		Underground and Overhead Development	D	-
Various		Substation Distribution	D	674
Various		New Customer Service	D	-
Various		System Improvement	D	-
Various		Street Lighting	D	-
Various		Communication Upgrade - Various Circuits	D	295
Various		Various Stations - Replace Roofs	D	69
		Station 492 13.8kv Switchgear	D	11
		Disconnect/Reconnect Control Section Board	D	10
		Station 514 - add Platform	D	62
		Automate Station 250 - Mystic Station Everett	D	49
		Install Digital Transient	D	83
		Station 12	D	-
		Tertiary Network Vault - 13.8kv Vacuum Switch	D	-
Mass Ave	Boston	Establish Secondary Network Vault 101 - Boston Street Work	D	166
Mass Ave	Boston	Establish Secondary Network Vault 101 - Boston Street Work	D	5
		Replace Power Line Carrier	D	270
Mass Ave	Boston	Circuit 52-12 College Ave - Boston	D	1
Various		North Ave Bridge Approach	D	218
Various		Establish Conduit System	D	-
Various		Replace Fiber Main Distribution	D	358
		Reconductor Circuit 13-10	D	26
		Reconductor Circuit 13-08	D	41
Mass Ave	Boston	Relieve 139-09 SB Street Work	D	2
		Distribution Auto Pilot Program	D	150
Various		Reconstruct Washington Street - Jamaica Plain	D	741
		Install Conduit & Cabinet - W. 4th St	D	(3)
		Rebuild Circuit 293-01	D	1
		Rebuild Circuit 49-02.07	D	165
		Relieve & Reconfigure Circuit 306-0	D	163
		Convert 4kv to 15kv Underground Charlestown	D	228
Various		Create Circuit 64-H4	D	7
		Circuit 311-1406H1 Milton	D	147
		Relieve Circuit 342-H4 Sudbury	D	73
	Newton	Extend Circuit 292-H8 - Newton	D	8
Various		NEPEX Direct Rep Proj	D	34
Various		EE & SO Indirect Engineering	D	57
Various		Decision Support	D	122
		A/P Document Imaging	D	-
Various		Metro Transmission & Distribution Equip & Tools	D	6
Various		Transmission & Distribution Renewals Metro	D	228
Various		Transmission & Distribution Renewals - Substation	D	-
Various		Metro Transmission & Distribution Asbestos Removal	D	114
Various		Metro Transmission & Distribution Indirect Labor	D	38
Various		Distribution Transformer Equipment	D	-
Various		Alterations & Improvements	D	54
Various		Building Service Equip	D	4
Various		Electric Design Expansion	D	24
	Hyde Park	Hyde Park Canopy	D	231
	Waltham	Fuel Tank Reinforcement - Waltham	D	1
Various		Acts of Public Authority	D	-
Various		Various Station Replacement Failures	D	-
Various		Various Station Replacements	D	113
		Mobile Radio Equipment	D	69
		Re-Feed Polaroid	D	79
		Millis Supply Security	D	207
Various		Radio Control sectional	D	110
		Station 24 Women's Locker - Crew reporting	D	-
		Station 24 Men's Locker - Crew reporting	D	-
		Station 20 Women's Locker - Crew reporting	D	-
		Station 20 Men's Locker - Crew reporting	D	-
		Secondary Network Vault - Install Distribution Switch	D	10
		Tertiary Network Vault - Remove/Install	D	66
		Convert Station 118 - 4kv	D	30
		Retire Station 118 - 4kv	D	-
		Retire Station 118 - 4kv	D	120
Mass Ave		Replace Split Fiber Main	D	197
		Norfolk Land Acquisition	D	136
		MATEP Supply	D	1
Various		Alewife Bridge Replacement	D	14
Various		Station 509 - Alewife Bridge	D	-
Various		Station 65 - Rebuild Ring	D	-
		Station 446 R - Replace Annunciator	D	14
		Station 433 Auto Substation	D	9
Various		Various Substations Minor Additions	D	61
		Station 514 - 15kv Switchgear	D	518
		Station 60 Transformer & Relay	D	5
Various		Cathodic Protection	D	57
		Station 400 - Replace Battery	D	26
		Replace Circuit Breakers	D	198
		Station A533 SCADA Cable	D	3
		Establish Circuit 48 Reg Bldg	D	69
		Install Toilet Station 51	D	19
		Security Control Line Group	D	1

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Service Area	TOWN	DESC	Category	1993
		Act of Public Authority NW DUD	D	11
		Station 33 Locker Room	D	56
		Station 250 Locker Room	D	50
		Station 402 Replace Station Server	D	-
		Various Stations - off-line work	D	209
		Secondary Network Vault 86	D	43
		Secondary Network Vault 127	D	19
		Secondary Network Vault 132	D	15
		New Secondary Network Vault - North End	D	-
		New Secondary Network Vault - North End	D	-
		Secondary Network Vault 263A&B	D	3
		Secondary Network Vault 316	D	21
		Underground and Overhead Development	D	-
		Install Tertiary Network Vault 662	D	58
Various		New Customer Service	D	-
Various		System Improvement	D	-
		Street Lighting	D	-
		Secondary Network Vault 16	D	35
		Station 292 Load Relief	D	20
		Discontinue Circuit 36	D	1
		Station 202	D	5
		Install 3 Phase Relays	D	-
		Install 3 Phase Relays	D	102
Various		Install Transformer Recloser	D	188
		Secondary Network Vault 299 Perl St	D	-
		Relieve Circuit - Commerce Ct	D	114
		Reroute Circuit 65-H3	D	250
		Remove Step-Downs	D	-
Various		New Northern Ave Duct	D	143
	Brighton	Brighton - 15kv Conversion	D	6
		Station 211 - 509 Circuit Breaker	D	48
		Relief Circuit 477-01 Brighton	D	133
		Act of Public Authority - 2nd Ave Reconstruction	D	62
		Street Work Bear Hollow Rd Wayland	D	-
		Purchase Power Quality	D	60
	Winchester	Winchester Upgrade	D	291
		Secondary Network Vault - Install Network Transformer	D	-
		Replace Network Transformer	D	(5)
		Secondary Network Vault 193 A&B Station 30	D	97
		New Secondary Network Vault 102	D	-
		Replace Network Transformer	D	-
		Station 450 ALD Modification	D	1
		Station 470 ALD Modification	D	1
		Station 416 ALD Modification	D	2
	Quincy	Act of Public Authority - South Artery Quincy	D	226
Various		Metro Transmission & Distribution Equipment & Tools	D	52
Various		Transmission & Distribution Renewals - Metro	D	11,184
Various		Metro Transmission & Distribution Paving	D	410
Various		Transmission & Distribution Renewals Substation	D	-
Various		Metro Transmission & Distribution Asbestos Removal	D	796
Various		Indirect Engineering - Distribution	D	-
Various		Metro Transmission & Distribution Indirect Labor	D	2,259
Various		Distribution Transformer Equipment	D	-
Various		Garage Equipment	D	29
Various		Alterations & Improvements	D	1,020
Various		Building Service Equipment	D	26
Framingham		Framingham Service Center Truck Canopy	D	73
Watertown		Watn Matls Mgmt Center Space Expansion	D	16
	Somerville	Replace Emergency Generator - Somerville	D	37
		Information Service Indirect Engineering	D	3,542
		Interchange Metering	D	-
Various		Field Services Systems	D	-
		Purchase Equipment & Tools	D	-
Various		Like for Like Replacement	D	(2)
		<b>Total Distribution</b>		<b>\$ 42,892</b>
Various		Trans - Develop Sta	T	(4)
Various		2ND Medway - Millis 345-STA	T	(8)
Various		115kv Station - Andrew Sq	T	858
Various		Electric Transmission	T	-
Various		Replace 115KV BK St	T	1
Various		Rebuild 240-507/8	T	-
Various		Medway-Framingham 115KV Tran	T	-
Various		Medway-Framingham 115KV Tran	T	1
Various		Spare Autotransformer	T	75
Various		Retire Obsolete Equipment - Edgar Station 75	T	-
Various		Replace Statistics SO TWR	T	10
Various		Enhance 115K Reliability Part 1	T	115
Various		Reinforce Line 240-507&8 Transmission	T	24
		Reinforce Line 240-507&8 Station	T	55
		Station 150 Replace 115K Dis	T	52

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Service Area	TOWN	DESC	Category	1993
Various		115KV Supply Concord	T	4
Various		Upgrade Lines 201-501	T	-
Various		Install System Transmission	T	93
		Install Backflow Prevention	T	52
		<b>Total Transmission</b>		<b>\$ 1,328</b>
		Meters		<b>\$ 2,180</b>
		<b>Overheads</b>		<b>30,281</b>
		<b>Total Capital Spending</b>		<b>\$ 76,681</b>